SPECIFICATION AMENDMENTS

Please amend paragraph [0028] as follows:

-- [0028] Another type of neural network, which has been proposed, is known as a liquid state machine (LMS). A non-limiting and non-essential example of an LMS is disclosed in "Computational Models for Generic Cortical Microcircuits" by Wolfgang Maass, et al., Institute for Theoretical Computer Science, Technische Universitaet Graz, Graz, Austria, June 10, 2003 ~~1003~~. Note that the aforementioned Maass et al reference is referred to herein for general edification and background purposes only. It is believed that liquid state machines have not been implemented in the context of physical neural networks configured based on nanotechnology. A need thus exists for such devices, including methods and systems thereof. --